

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1 (Previously Presented): An information outputting apparatus for reading out main information from a recording medium and outputting the main information to an external apparatus to record the main information in an optical recording medium in the external apparatus, comprising:

an outputting device for outputting the main information including a plurality of partial information and recording position information showing a recording position of the partial information on the optical recording medium on which the partial information is to be recorded,

wherein the outputting device cyclically outputs the whole of the same main information by repeatedly returning to the beginning of the main information when the end thereof is reached,

wherein in each session of outputting the whole of the same main information, the outputting device sequentially outputs the partial information and the recording position information in accordance with an order of recording or reproducing, and

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 2 (Canceled).

Claim 3 (Previously Presented): The information outputting apparatus according to claim 1, wherein the main information is compressed by a variable bit rate.

Claims 4 and 5 (Canceled).

Claim 6 (Previously Presented): The information outputting apparatus according to claim 1, wherein the main information includes reproduction controlling information for controlling a reproduction manner of the main information recorded in the optical recording medium, and the outputting device sequentially outputs the reproduction controlling information, the partial information, and the recording position information.

Claim 7 (Previously Presented): The information outputting apparatus according to claim 1, wherein the main information includes regulating information for regulating the number of times for copying after the main information is recorded in the optical recording medium, and the information outputting apparatus further comprises a changing device for generating changing recording position information by changing each of the recording position information in association with the regulating information, wherein

the outputting device sequentially outputs at least the partial information and the changing recording position information.

Claim 8 (Canceled).

Claim 9 (Previously Presented): An information recording apparatus for recording main information, which is outputted from a recording medium in an information outputting apparatus, in an optical recording medium, wherein the information outputting apparatus comprises: an outputting device for outputting the main information including a plurality of partial information and recording position information showing a recording position of the partial information on the optical recording medium on which the partial information is to be recorded,

wherein the outputting device cyclically outputs the whole of the same main information by repeatedly returning to the beginning of the main information when the end thereof is reached, and in each session of outputting the whole of the same main information, the outputting device sequentially outputs the partial information and the recording position information in accordance with an order of recording or reproducing,

wherein the information recording apparatus comprises:

an obtaining device for obtaining the outputted partial information and recording position information in the main information; and

a recording device for recording the obtained partial information in the optical recording medium by using the obtained recording position information,

wherein the recording device determines whether the whole of one main information is completely recorded or not in accordance with the recorded recording position information, and

when the recording device determines that the whole of the one main information is not completely recorded in a session, the recording device records remaining partial information and recording position information in the one main information in another session,

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 10 (Previously Presented): The information recording apparatus according to claim 9, wherein the recording device records the partial information in association with the recording position information at a recording position on the optical recording medium, which is indicated by the sector address information associated with the obtained recording position information.

Claim 11 (Canceled).

Claim 12 (Previously Presented): An information outputting method for reading out main information from a recording medium and outputting the main information to an external apparatus to record the main information in an optical recording medium in the external apparatus, comprising:

an outputting process for outputting the main information including a plurality of partial information and recording position information showing a recording position of the partial information on a the optical recording medium on which the partial information is to be recorded,

wherein the outputting process cyclically outputs the whole of the same main information by repeatedly returning to the beginning of the main information when the end thereof is reached, and

in each session of outputting the whole of the same main information, the outputting process sequentially outputs the partial information and the recording position information in accordance with an order of recording or reproducing,

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 13 (Previously Presented): The information outputting method according to claim 12, further comprising recording the outputted main information in a the optical recording medium by using the outputted recording position information so that the main information is reproduced on the basis of the recording position information.

Claim 14 (Previously Presented): The information outputting method according to claim 12, wherein the main information is compressed by a variable bit rate.

Claim 15 (Canceled).

Claim 16 (Previously Presented): The information outputting method according to claim 12, wherein the main information includes regulating information for regulating the number of times for copying after the main information is recorded in the optical recording medium; and

the method further comprises a changing process for generating changing recording position information by changing each of the recording position information in association with the regulating information, wherein

the outputting process sequentially outputs at least the partial information and the changing recording position information.

Claim 17 (Canceled).

Claim 18 (Previously Presented): An information recording method for recording main information, which is outputted from a recording medium by an information outputting method, in an optical recording medium, wherein the information outputting method comprises: an outputting process for outputting the main information including a plurality of partial information and recording position information showing a recording position of the partial information on a the optical recording medium on which the partial information is to be recorded, wherein the outputting process cyclically outputs the whole of the same main information by repeatedly returning to the beginning of the main information when the end thereof is reached, and in each session of outputting the whole of the same main information, the outputting device sequentially outputs the partial information and the recording position information in accordance with an order of recording or reproducing,

wherein the recording method comprises

obtaining the outputted partial information and recording position information in the main information; and

recording the obtained partial information in the optical recording medium by using the obtained recording position information,

wherein the method further comprises the process of determining whether the whole of one main information is completely recorded or not in accordance with the recorded recording position information, and

when the process of determining determines that the whole of the one main information is not completely recorded in a session, the process of recording records remaining partial information and recording position information in the one main information in another session,

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 19 (Previously Presented): The information recording method according to claim 18, wherein the partial information in association with the recording position information is recorded at a recording position on the optical recording medium, which is indicated by the sector address information associated with the obtained recording position information, in the recording process.

Claim 20 (Canceled).

Claim 21 (Previously Presented): An information recording medium, in which an information outputting controlling program is recorded so as to be read by a computer included in an information outputting apparatus for reading out main information from a recording medium and outputting the main information to an external apparatus to record the main

information in an optical recording medium in the external apparatus, the program, when executed, making the computer function as:

an outputting device for outputting the main information including a plurality of partial information and recording position information showing a recording position of the partial information on a the optical recording medium on which the partial information is to be recorded, wherein the outputting device cyclically outputs the whole of the same main information by repeatedly returning to the beginning of the main information when thereof is reached, and in each session of outputting the whole of the same main information, the outputting device sequentially outputs the partial information and the recording position information in accordance with an order of recording or reproducing,

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 22 (Canceled).

Claim 23 (Previously Presented). The information recording medium according to claim 21, wherein the main information is compressed by a variable bit rate.

Claim 24 (Canceled).

Claim 25 (Previously Presented): The information recording medium according to claim 21, wherein the main information includes regulating information for regulating the number of times for copying after the main information is recorded in the optical recording medium, and

the program makes the computer further function as: a changing device for generating a changing recording position information by changing each of the recording position information

in association with the regulating information and for sequentially outputting at least the partial information and the changing recording position information.

Claim 26 (Previously Presented): The information recording medium according to claim 21, wherein the partial information in association with the recording position information is recorded at a recording position on the optical recording medium, which is indicated by the address information associated with the obtained recording position information, in the recording process.

Claim 27 (Previously Presented): An information recording medium in which an information recording controlling program is recorded so as to be read by a computer included in a recording controlling apparatus, wherein the recording controlling apparatus records main information, which is outputted from a recording medium in an information outputting apparatus, in an optical recording medium, wherein the information outputting apparatus comprises: an outputting device for outputting the main information including a plurality of partial information and recording position information showing a recording position of the partial information on the optical recording medium on which the partial information is to be recorded, wherein the outputting device cyclically outputs the whole of the same main information by repeatedly returning to the beginning of the main information when the end thereof is reached, and in each session of outputting the whole of the same main information, the outputting device sequentially outputs the partial information and the recording position information in accordance with an order of recording or reproducing,

wherein the program, when executed, makes the computer function as:

an obtaining device for obtaining the outputted partial information and recording position information in the main information; and

a recording device for recording the obtained partial information in the recording medium by using the obtained recording position information,

wherein the recording device determines whether the whole of one main information is completely recorded or not in accordance with the recorded recording position information, and

when the recording device determines that the whole of the one main information is not completely recorded in a session, the recording device records remaining partial information and recording position information in the one main information in another session,

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 28 (Previously Presented): The information recording medium according to claim 27, wherein the recording device records the partial information in association with the recording position information at a recording position on the optical recording medium, which is indicated by the sector address information associated with the obtained recording position information.

Claim 29 (Canceled).

Claim 30 (Previously Presented): An information outputting/recording system comprising:

(a) an information outputting apparatus for reading out main information from a recording medium and outputting the main information to an information recording apparatus to record the main information in an optical recording medium in the information recording apparatus, the information outputting apparatus comprising: an outputting device for outputting the main information including a plurality of partial information and recording position information showing a recording position of the partial information on a the optical recording

medium on which the partial information is to be recorded, wherein the outputting device cyclically outputs the whole of the same main information by repeatedly returning to the beginning of the main information when the end thereof is reached, and in each session of outputting the whole of the same main information, the outputting device sequentially outputs the partial information and the recording position information in accordance with an order of recording or reproducing; and

(b) the information recording apparatus for recording the main information, which is outputted from the recording medium in the information outputting apparatus, in the optical recording medium, comprising: an obtaining device for obtaining the outputted partial information and recording position information in the main information; and a recording device for recording the obtained partial information in the optical recording medium by using the obtained recording position information,

wherein the recording device determines whether the whole of one main information is completely recorded or not in accordance with the recorded recording position information, and

when the recording device determines that the whole of the one main information is not completely recorded in a session, the recording device records remaining partial information and recording position information in the one main information in another session, and

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claims 31 and 32 (Canceled).

Claim 33 (Previously Presented): An output apparatus for reading out contents from a recording medium and outputting the contents for distribution to a recording apparatus to record the contents in an optical recording medium in the recording apparatus, the output apparatus comprising:

an outputting section for repeatedly outputting an entire information unit comprising a plurality of information pieces by repeatedly returning to the beginning of the information unit when the end thereof is reached, each information piece being output with associated recording position information indicative of that information piece's recording position on the optical recording medium on which the partial information is to be recorded; and

a transmitting section for transmitting the information pieces and associated recording position information to a recording apparatus for recording the information pieces onto the optical recording medium in accordance with the recording position information,

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 34 (Canceled).

Claim 35 (Previously Presented): The output apparatus according to claim 33, wherein the information pieces are copy-controlled.

Claim 36 (Previously Presented): A recording apparatus for recording contents that are read out from a recording medium by an output apparatus, the recording apparatus comprising:

a receiving section for receiving information pieces of an entire information unit repeatedly transmitted by the output apparatus by repeatedly returning to the beginning of the information unit when the end thereof is reached, each information piece having associated recording position information indicative of that information piece's recording position on a an optical recording medium on which the information pieces are to be recorded; and

a recording section for recording the received information pieces onto the optical recording medium, wherein the recording section uses the recording position information so that

recording of the information pieces onto the optical recording medium can begin even if an information piece initially received by the receiving section is not the first information piece in a recording/reproducing order and so that recording of the information pieces onto the optical recording medium can be completed during a subsequent one of the repeated transmissions of the entire information unit by the output apparatus,

wherein the recording position information comprises sector address information set in advance in the optical recording medium.

Claim 37 (Previously Presented): The recording apparatus according to claim 36, wherein the recording section records the information pieces onto the optical recording medium so that the first information piece in the recording/reproducing order is recorded at the beginning of a data area of the optical recording medium.

Claim 38 (Previously Presented): The recording apparatus according to claim 36, wherein the recording section records the information pieces onto the optical recording medium so that the first information received by the receiving section is recorded at the beginning of a data area of the optical recording medium.

Claim 39 (Previously Presented): The recording apparatus according to claim 36, wherein the sector address information for each information piece specifies a sector on the optical recording medium at which that information piece is to be recorded.

Claim 40 (Previously Presented): The recording apparatus according to claim 36, wherein the receiving section is configured to receive information pieces communicated over a wide area network.

Claim 41 (Canceled).

Claim 42 (Previously Presented): The information outputting apparatus
according to claim 1, wherein each of the recording position information is added to each of the
partial information.

Claim 43 (Previously Presented): The information recording apparatus
according to claim 9, wherein each of the recording position information is added to each of the
partial information.

Claim 44 (Previously Presented): The information outputting method
according to claim 12, wherein each of the recording position information is added to each of the
partial information.

Claim 45 (Previously Presented): The information recording method
according to claim 18, wherein each of the recording position information is added to each of the
partial information.

Claim 46 (Previously Presented): The information recording medium
according to claim 21, wherein each of the recording position information is added to each of the
partial information.

Claim 47 (Previously Presented): The information recording medium
according to claim 27, wherein each of the recording position information is added to each of the
partial information.

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Claim 48 (Previously Presented): The information outputting recording system according to claim 30, wherein each of the recording position information is added to each of the partial information.